

Water-Data Report 2008

405435074080201 Local number 310198- MW145

 Sand and gravel aquifers (glaciated regions)
 Stratified Drift

Passaic County, NJ

LOCATION.--Lat 40°54'35", long 74°08'02" referenced to North American Datum of 1983, Paterson City, Passaic County, NJ, Hydrologic Unit 02030103.

WATER-QUALITY RECORDS

WELL CHARACTERISTICS.--Depth 22 ft. Upper casing diameter 2 in; top of first opening 17 ft, bottom of last opening 22 ft.

DATUM.--Land-surface datum is 30 ft above National Geodetic Vertical Datum of 1929. Measuring point: Undefined.

PERIOD OF RECORD.--Water years 2004, 2008.

REMARKS.--New Jersey Department of Environmental Protection Watershed Management Area 4. Urban Land Use Indicator.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the New Jersey Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Time	Depth to water level, feet below	Pump or flow rate, instantaneous	Turbidity	Barometric pressure, 90+/-30 det ang	Dissolved oxygen, mg/L	pH, water, unfltrd	Specific conductance, µS/cm	Temperature, wat unf	Hardness, water, mg/L as CaCO3	Calcium water, mg/L
	LSD (72019)	Flow gal/min (00059)	Flow period prior to sampling, minutes	NTRU	mm Hg (00025)	(00300)	units (00400)	25 degC (00095)	deg C (00010)	(00900)	(00915)
Jul 07...	1300	12.80	.25	45	4.7	760	.1	.0	6.3	791	15.4
											260
											79.6

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed	Alkalinity, wat flt inf tit	Bicarbonate, wat flt infl tit	Chloride, titr., field, titr.	Fluoride, water, fltrd, mg/L	Silica, water, fltrd, mg/L as SiO2	Sulfate, water, fltrd, mg/L as (00955)	Residue water, fltrd, + evap. at 180degC	Residue water, evap. at 180degC	Ammonia water, org-N, fltrd, mg/L as N (00623)
	(00925)	(00935)	(00930)	(90410)	(39086)	(00453)	(00940)	(00950)	(00945)	(70301)	(70300)		
Jul 07...	14.7	1.77	57.0	220	208	254	93.1	E.07	12.1	39.4	E430	453	.31

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 3 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Nitrate + Ammonia water, filtrd, mg/L as N (00608)		Nitrite water, filtrd, mg/L as N (00631)	Nitrite water, filtrd, mg/L as N (00613)	Ortho- phos- phate, water, filtrd, mg/L as P (00671)		Organic carbon, water, filtrd, mg/L (00681)	Alum- inum, water, filtrd, mg/L (01106)	Anti- mony, water, filtrd, mg/L (01095)	Arsenic water, filtrd, mg/L (01000)	Barium, water, filtrd, mg/L (01005)	Beryll- ium, water, filtrd, mg/L (01010)	Boron, water, filtrd, mg/L (01020)	Cadmium water, filtrd, mg/L (01025)	Chrom- ium, water, filtrd, mg/L (01030)
	water, filtrd, mg/L as N (00608)	water, filtrd, mg/L as N (00631)	water, filtrd, mg/L as N (00613)	water, filtrd, mg/L as P (00671)	water, filtrd, mg/L (00681)	water, filtrd, mg/L (01106)	water, filtrd, mg/L (01095)	water, filtrd, mg/L (01000)	water, filtrd, mg/L (01005)	water, filtrd, mg/L (01010)	water, filtrd, mg/L (01020)	water, filtrd, mg/L (01025)	water, filtrd, mg/L (01030)	water, filtrd, mg/L (01030)	
Jul 07...	.091	.82	.003	.014	4.0	<1.6	<.14	.39	95	M	57	.21	.60		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 4 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Mangan- ese, water, filtrd, μg/L (01040)		Mercury water, filtrd, μg/L (01056)		Nickel, water, filtrd, μg/L (71890)	Selen- ium, water, filtrd, μg/L (01065)	Silver, water, filtrd, μg/L (01145)	Thall- ium, water, filtrd, μg/L (01057)	Zinc, water, filtrd, μg/L (01090)	1-Naph- thol, water, filtrd, 0.7u GF (49295)	2,6-Di- ethyl- aniline water, filtrd, 0.7u GF (82660)	2-Chloro- -2',6'- acet- anilide water, filtrd, μg/L (61618)	
	Copper, water, filtrd, μg/L (01040)	Iron, water, filtrd, μg/L (01046)	Lead, water, filtrd, μg/L (01049)	Mercury water, filtrd, μg/L (01056)	Nickel, water, filtrd, μg/L (71890)	Selenium water, filtrd, μg/L (01065)	Silver water, filtrd, μg/L (01145)	Thallium water, filtrd, μg/L (01057)	Zinc water, filtrd, μg/L (01090)	1-Naphthol water, filtrd, 0.7u GF (49295)	2,6-Diethyl- aniline water, filtrd, 0.7u GF (82660)	2-Chloro- -2',6'- acetanilide water, filtrd, μg/L (61618)	
Jul 07...	2.0	224	.11	3,260	<.010	3.5	.95	<.1	<.04	4.3	<.04	<.006	<.010

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 5 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	2-Ethy- -6- CIAT, water, filtrd, μg/L (04040)		4- 3,4-Di- chloro- aniline water, filtrd, μg/L (61620)		Chloro- 2methyl aniline water, filtrd, μg/L (61625)	Aceto- chlor, water, filtrd, μg/L (61627)	Ala- chlor, water, filtrd, μg/L (49260)	alpha- Endo- sulfan, water, filtrd, μg/L (46342)	Atra- zine, water, filtrd, μg/L (34362)	Azin- phos- methoxon, water, filtrd, μg/L (39632)	Azin- phos- methyl, water, filtrd, μg/L (61635)	Ben- flur- alin, water, filtrd, μg/L (82686)	Car- baryl, water, filtrd, μg/L (82680)
	2-Ethy- -6- CIAT, water, filtrd, μg/L (04040)	3,4-Di- chloro- aniline water, filtrd, μg/L (61620)	3,5-Di- chloro- aniline water, filtrd, μg/L (61625)	4- 2methyl aniline water, filtrd, μg/L (61627)	Chloro- 2methyl aniline water, filtrd, μg/L (61633)	Aceto- chlor, water, filtrd, μg/L (49260)	Ala- chlor, water, filtrd, μg/L (46342)	alpha- Endo- sulfan, water, filtrd, μg/L (34362)	Atra- zine, water, filtrd, μg/L (39632)	Azin- phos- methoxon, water, filtrd, μg/L (61635)	Azin- phos- methyl, water, filtrd, μg/L (82686)	Ben- flur- alin, water, filtrd, μg/L (82673)	Car- baryl, water, filtrd, μg/L (82680)
Jul 07...	<.014	<.010	<.006	<.008	<.005	<.006	<.006	<.006	<.007	<.06	<.120	<.010	<.060

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 6 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Carbo-furan, water, fltrd, 0.7u GF	Chlor-pyrifos oxon, water, fltrd, fltrd,	Cis-Chlor-pyrifos water, water, 0.7u GF	cis-Per-methrin methrin water	cis-Propi-conazole, water, water, 0.7u GF	Cyana-zine, water, water, 0.7u GF	Cyflu-thrin, water, water, 0.7u GF	Lambda-thrin, water, water, 0.7u GF	Cyhalo-thrin, water, water, 0.7u GF	Cyper-methrin water, water, 0.7u GF	DCPA, water, fltrd, 0.7u GF	Desulf-inyl-fipro-nil, water, water, 0.7u GF	Diazi-non, water, fltrd, 0.7u GF	Dicrotophos, water, fltrd, 0.7u GF
	µg/L (82674)	µg/L (61636)	µg/L (38933)	µg/L (82687)	µg/L (79846)	µg/L (04041)	µg/L (61585)	µg/L (61595)	µg/L (61586)	µg/L (82682)	µg/L (62170)	µg/L (39572)	µg/L (38454)	
Jul 07...	<.020	<.06	<.005	<.010	<.006	<.020	<.016	<.004	<.014	<.003	<.012	<.005	<.08	

WATER-QUALITY DATA
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Date	Dimeth-drin, water, fltrd, 0.7u GF	Disulf-oton water, fltrd, 0.7u GF	Disulf-foton, sulfone water, fltrd, 0.7u GF	Endo-sulfan water, fltrd, 0.7u GF	EPTC, water, fltrd, 0.7u GF	Ethion monoxon water, fltrd, 0.7u GF	Ethion water, fltrd, 0.7u GF	Etho-prop, water, fltrd, 0.7u GF	Fenami-phos sulfone water, fltrd, 0.7u GF	Fenami-phos sulf-oxide, water, fltrd, 0.7u GF	Fenami-phos water, fltrd, 0.7u GF	Desulf-inyl-fipro-nil water, fltrd, 0.7u GF	
	µg/L (39381)	µg/L (82662)	µg/L (61640)	µg/L (82677)	µg/L (61590)	µg/L (82668)	µg/L (61644)	µg/L (82346)	µg/L (82672)	µg/L (61645)	µg/L (61646)	µg/L (61591)	µg/L (62169)
Jul 07...	<.009	<.006	<.01	<.04	<.022	<.002	<.02	<.006	<.012	<.053	<.20	<.03	<.029

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Fipro-nil sulfide water, fltrd, 0.7u GF	Fipro-nil sulfone water, fltrd, 0.7u GF	Fipro-nil water, fltrd, 0.7u GF	Fonofos water, fltrd, 0.7u GF	Hexa-zinone, water, fltrd, 0.7u GF	Ipro-dione, water, fltrd, 0.7u GF	Isofen-phos water, fltrd, 0.7u GF	Mala-oxon, water, fltrd, 0.7u GF	Mala-thion, water, fltrd, 0.7u GF	Metaxyl, water, fltrd, 0.7u GF	Methid-athion, water, fltrd, 0.7u GF	Methyl-paraoxon, water, fltrd, 0.7u GF	
	µg/L (62167)	µg/L (62168)	µg/L (62166)	µg/L (04095)	µg/L (04025)	µg/L (61593)	µg/L (61594)	µg/L (61595)	µg/L (61652)	µg/L (39532)	µg/L (61596)	µg/L (61598)	µg/L (61664)
Jul 07...	<.013	<.024	<.020	<.010	<.008	<.01	<.006	<.020	<.016	<.007	<.004	<.01	<.008

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 9 of 13

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Date	Metola-	Metri-	Moli-	Oxy-	Pendi-	meth-	alin,	Phorate	Phorate	Phosmet	Phosmet	Prome-	Prome-	Propy-
	chlor,	buzin,	nate, water,	Myclo-	fluor-		al, water,	oxon,	water,	oxon,	water,	ton, water,	tryn, water,	zamide, water,
	water,	water,	water,	butanil	fen,		water,	water,	water,	water,	water,	water,	water,	water,
	fltrd,	fltrd,	0.7u GF	fltrd,	fltrd,	0.7u GF	fltrd	fltrd,	0.7u GF	fltrd,	fltrd,	fltrd,	fltrd,	0.7u GF
Date	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L	μg/L
	(39415)	(82630)	(82671)	(61599)	(61600)	(82683)	(61666)	(82664)	(61668)	(61601)	(04037)	(04036)	(82676)	
Jul														
07...	<.010	<.012	<.003	<.010	<.006	<.012	<.03	<.040	<.06	<.008	<.01	<.006	<.004	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 10 of 13

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Date	Pro-	Propar-	Sima-	Tebu-	Ter-	bufos	Terbu-	Ter-	Thio-	trans-	Propi-	Tribu-	Tri-	1,1,1-	
	panil,	gite,	zine,	thiuron	tebuthiuron										
	water,	water,	water,	water,	water,										
	fltrd	fltrd	fltrd	fltrd	0.7u GF										
Date	0.7u GF	μg/L	μg/L	μg/L											
	(82679)	(82685)	(04035)	(82670)	(61606)	(61674)	(61675)	(04022)	(82681)	(79847)	(61610)	(82661)	(34506)		
Jul															
07...	<.006	<.04	<.006	<.02	<.003	<.04	<.02	<.01	<.010	<.02	<.035	<.009	<.1		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 11 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	1,1-Di-	1,1-Di-	1,2-Di-	1,2-Di-	1,2-Di-	1,3-Di-	1,4-Di-	Bromo-	tri-	cis-			
	chloro-	di-	bromo-	Chloro-	1,2-Di-								
	CFC-113	ethane,	ethene,	benzene	ethane,	propane	benzene	Benzene	methane	methane	chloro-		
	water,	ethene,											
	unfltrd	water,											
Date	μg/L												
	(77652)	(34496)	(34501)	(34536)	(32103)	(34541)	(34566)	(34571)	(34030)	(32101)	(32104)	(77093)	
Jul													
07...	<.1	<.1	<.1	<.1	<.2	<.1	<.1	<.1	<.1	<.1	<.2	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 12 of 13

[Remark codes: <, less than; E, estimated; M, presence verified but not quantified; R, radchem non-detect, below ssLc.]

Date	Di-bromo-	Di-chloro-	Di-chloro-	Di-ethyl	Diisopropyl	Ethyl-benzene	tert-pentyl	meta-+ para-	o-Xylene,	Styrene	t-Butyl	Methyl	Tetra-
	chloro-methane water, unfltrd	chloro-fluoro-methane methane wat unf	chloro-methane water, unfltrd	ether, unfltrd	water, unfltrd	ethyl ether, unfltrd	t-butyl ether, unfltrd	chloro-ethene, water, unfltrd					
	µg/L (32105)	µg/L (34668)	µg/L (34423)	µg/L (81576)	µg/L (81577)	µg/L (34371)	µg/L (50005)	µg/L (85795)	µg/L (77135)	µg/L (77128)	µg/L (50004)	µg/L (78032)	µg/L (34475)
Jul 07...	<.2	<.2	<.2	<.2	<.2	<.1	<.2	<.2	<.1	<.1	<.1	<.1	<.1

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 13 of 13

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Date	trans-1,2-Di-chloro-		Tri-chloro-	Tri-chloro-	Vinyl	Di-chlor-	Alpha	Alpha	Beta	Beta		
	Tetra-chloro-	methane Toluene	chloro-ethene, water, unfltrd	chloro-ethene, water, unfltrd	fluoro-methane	chloro-methane	chloride, water, unfltrd	radioac 30 day, wat flt	radioac 72 hr, wat flt	radioac 30 day, wat flt	radioac 72 hr, wat flt	
	µg/L (32102)	µg/L (34010)	µg/L (34546)	µg/L (39180)	µg/L (34488)	µg/L (32106)	µg/L (39175)	µg/L (38775)	pCi/L (62639)	pCi/L (62636)	pCi/L (62645)	pCi/L (62642)
Jul 07...	<.2	<.1	<.1	<.1	<.2	<.1	<.2	<.01	R.5	1.6	3.3	3.3